```
]
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d -e PING_TARGET=172.17.0.2 --name dummy adonis/ping
docker: Error response from daemon: Conflict. The container name "/dummy" is already in use by container "c4b6b2f7208356fcdd0a1f0c11460a77bf3cc9f8ebb62edf0a50f47b3a2c3565". You have to remove
(or rename) that container to be able to reuse that name.
See 'docker run --help'.
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d -e PING_TARGET=172.17.0.2 --name pinger adonis/ping
c6a358f470864afcd4148736f319afa91b7ec0c19bb83b9436118ba3ea8f0408
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker ps
CONTAINER ID   IMAGE         COMMAND               CREATED       STATUS            PORTS      NAMES
c6a358f47086   adonis/ping   "sh -c 'ping $PING_T…" 8 hours ago   Up 2 seconds                 pinger
c4b6b2f72083   adonis/ping   "sh -c 'ping $PING_T…" 8 hours ago   Up About a minute            dummy
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker logs pinger
PING 172.17.0.2 (172.17.0.2) 56(84) bytes of data.
64 bytes from 172.17.0.2: icmp_seq=1 ttl=64 time=0.060 ms
64 bytes from 172.17.0.2: icmp_seq=2 ttl=64 time=0.049 ms
64 bytes from 172.17.0.2: icmp_seq=3 ttl=64 time=0.037 ms
64 bytes from 172.17.0.2: icmp_seq=4 ttl=64 time=0.036 ms
64 bytes from 172.17.0.2: icmp_seq=5 ttl=64 time=0.036 ms
64 bytes from 172.17.0.2: icmp_seq=6 ttl=64 time=0.034 ms
64 bytes from 172.17.0.2: icmp_seq=7 ttl=64 time=0.034 ms
64 bytes from 172.17.0.2: icmp_seq=8 ttl=64 time=0.036 ms
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d -e PING_TARGET=dummy --name pinger adonis/ping
docker: Error response from daemon: Conflict. The container name "/pinger" is already in use by container "c6a358f470864afcd4148736f319afa91b7ec0c19bb83b9436118ba3ea8f0408". You have to remove
 (or rename) that container to be able to reuse that name.
See 'docker run --help'.
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker stop dummy
dummy
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker network ls
NETWORK ID     NAME      DRIVER    SCOPE
e96e55e7673d   bridge    bridge    local
6d0816cff9dd   host      host      local
26a731116524   none      null      local
995e94bbba05   skynet    bridge    local
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker inspect skynet
[
    {
        "Name": "skynet",
        "Id": "995e94bbba05e56e8db961b8fde720f7129c2fcd3b55f4bb7e6eec5bd139cc8d",
        "Created": "2021-05-18T21:48:29.4373505Z",
        "Scope": "local",
        "Driver": "bridge",
        "EnableIPv6": false,
        "IPAM": {
            "Driver": "default",
            "Options": {},
            "Config": [
                {
                    "Subnet": "172.18.0.0/16",
                    "Gateway": "172.18.0.1"
                }
```

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            "Internal": false,
            "Attachable": false,
            "Ingress": false,
            "ConfigFrom": {
                "Network": ""
            },
            "ConfigOnly": false,
            "Containers": {},
            "Options": {},
            "Labels": {}
    }
]
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --network skynet --name dummy adonis/ping
7c917f96341987e71a41bea477e6dbb184c2a340a1054c1d0b4efafd8357a2c9
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --network skynet -e PING_TARGET=dummy --name pinger adonis/ping
docker: Error response from daemon: Conflict. The container name "/pinger" is already in use by container "c6a358f470864afcd4148736f319afa91b7ec0c19bb83b9436118ba3ea8f0408". You have to remove
 (or rename) that container to be able to reuse that name.
See 'docker run --help'.
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker stop pinger
pinger
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker stop pinger
Error response from daemon: No such container: pinger
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --network skynet -e PING_TARGET=dummy --name pinger adonis/ping
f668e73e0b85c9141b3d9052dc51fbdec15ac696694a724433444732c9558194
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker logs pinger
PING dummy (172.18.0.2) 56(84) bytes of data.
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=1 ttl=64 time=0.077 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=2 ttl=64 time=0.053 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=3 ttl=64 time=0.054 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=4 ttl=64 time=0.042 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=5 ttl=64 time=0.046 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=6 ttl=64 time=0.054 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=7 ttl=64 time=0.039 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=8 ttl=64 time=0.039 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=9 ttl=64 time=0.054 ms
64 bytes from dummy.skynet (172.18.0.2): icmp_seq=10 ttl=64 time=0.039 ms
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --name widgetdb --network skynet -p 5432 postgres
691cd0ba782eae153d6bcb20cdbfd455b46bfd3c1c7680e20cb0c80497effc50
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --name gadgetdb --network skynet -p 5432 postgres
60a52acaf1882a39f0ca233a523daa2bd8038e25432dd1f826f62680d93f9c61
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker ps
CONTAINER ID   IMAGE         COMMAND               CREATED        STATUS               PORTS        NAMES
f668e73e0b85   adonis/ping   "sh -c 'ping $PING_T…"  8 hours ago    Up 58 seconds                     pinger
7c917f963419   adonis/ping   "sh -c 'ping $PING_T…"  8 hours ago    Up About a minute                 dummy
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker ps -a
CONTAINER ID   IMAGE         COMMAND               CREATED        STATUS               PORTS        NAMES
f668e73e0b85   adonis/ping   "sh -c 'ping $PING_T…"  8 hours ago    Up About a minute                 pinger
7c917f963419   adonis/ping   "sh -c 'ping $PING_T…"  8 hours ago    Up 2 minutes                      dummy
079ad9069ad9   adonis/ping   "sh -c 'ping $PING_T…"  8 hours ago    Exited (0) 7 minutes ago          strange_tu
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --name widgetdb --network skynet -p 5432 -e POSTGRES_PASSWORD=password postgres
```

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PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --name widgetdb --network skynet -p 5432 -e POSTGRES_PASSWORD=password postgres

30f1bba77160a0ebb2dc9a4573137737c75422f115bd8611e349c9763a4c1660
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker ps
CONTAINER ID   IMAGE         COMMAND                CREATED        STATUS          PORTS                    NAMES
30f1bba77160   postgres      "docker-entrypoint.s…" 8 hours ago    Up 3 seconds    0.0.0.0:60605->5432/tcp   widgetdb
f668e73e0b85   adonis/ping   "sh -c 'ping $PING_T…" 8 hours ago    Up 3 minutes                              pinger
7c917f963419   adonis/ping   "sh -c 'ping $PING_T…" 8 hours ago    Up 4 minutes                              dummy
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --name gadgetdb --network skynet -p 5432 -e POSTGRES_PASSWORD=password postgres

33b85434cb756bc44ce11a68c94ecf607aeb837d8de856ab0c46f6cdb3c4c1b0
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker ps
CONTAINER ID   IMAGE         COMMAND                CREATED        STATUS          PORTS                    NAMES
33b85434cb75   postgres      "docker-entrypoint.s…" 8 hours ago    Up 2 seconds    0.0.0.0:60619->5432/tcp   gadgetdb
30f1bba77160   postgres      "docker-entrypoint.s…" 8 hours ago    Up 19 seconds   0.0.0.0:60605->5432/tcp   widgetdb
f668e73e0b85   adonis/ping   "sh -c 'ping $PING_T…" 8 hours ago    Up 4 minutes                              pinger
7c917f963419   adonis/ping   "sh -c 'ping $PING_T…" 8 hours ago    Up 4 minutes                              dummy
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker exec -it widgetdb /bin/bash
root@30f1bba77160:/# psql -U postgres
psql (13.3 (Debian 13.3-1.pgdg100+1))
Type "help" for help.

postgres=# \q
root@30f1bba77160:/# exit
exit
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> dockerstop widgetdb gadgetdb
dockerstop : The term 'dockerstop' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify
that the path is correct and try again.
At line:1 char:1
+ dockerstop widgetdb gadgetdb
+ ~~~~~~~~~~
    + CategoryInfo          : ObjectNotFound: (dockerstop:String) [], CommandNotFoundException
    + FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker stop widgetdb gadgetdb
widgetdb
gadgetdb
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --name gadgetdb --network skynet -p 5432:5432 -e POSTGRES_PASSWORD=password pos
tgres
2510ed7f44df79a7c8a7071cc793c5fbecbca618133db5c0440a0fc42a6ecdbe
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> psql -U postgres -h localhost
psql : The term 'psql' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path
is correct and try again.
At line:1 char:1
+ psql -U postgres -h localhost
+ ~~~~
    + CategoryInfo          : ObjectNotFound: (psql:String) [], CommandNotFoundException
    + FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker stop gadgetdb
```

```
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker stop gadgetdb
gadgetdb
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --name widgetdb --network skynet -p 5432:5432 -e POSTGRES_PASSWORD=password pos
tgres
39b52dfcef30cdc5a1aeca60a86fa6d40b123cfa799b04eede50851c32fd3842
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker exec -it widgetdb /bin/bash
root@39b52dfcef30:/# psql -U postgres -h localhost
psql (13.3 (Debian 13.3-1.pgdg100+1))
Type "help" for help.

postgres=# \q
root@39b52dfcef30:/# dockerstop widgetdb
bash: dockerstop: command not found
root@39b52dfcef30:/# docker stop widgetdb
bash: docker: command not found
root@39b52dfcef30:/# exit
exit
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker stop widgetdb
widgetdb
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images>
```

```
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker rm 377
Error: No such container: 377
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker run --rm -d --name dummy adonis/ping
c4b6b2f7208356fcdd0a1f0c11460a77bf3cc9f8ebb62edf0a50f47b3a2c3565
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker ps
CONTAINER ID   IMAGE          COMMAND             CREATED        STATUS        PORTS     NAMES
c4b6b2f72083   adonis/ping    "sh -c 'ping $PING_T…"   8 hours ago    Up 1 second             dummy
PS C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\3-building_images> docker inspect bridge
[
    {
        "Name": "bridge",
        "Id": "e96e55e7673dbf26168e9e344babb85b0e24dec6e100b7e007e09a18733edbbc",
        "Created": "2021-05-18T20:23:10.089359Z",
        "Scope": "local",
        "Driver": "bridge",
        "EnableIPv6": false,
        "IPAM": {
            "Driver": "default",
            "Options": null,
            "Config": [
                {
                    "Subnet": "172.17.0.0/16",
                    "Gateway": "172.17.0.1"
                }
            ]
        },
        "Internal": false,
        "Attachable": false,
        "Ingress": false,
        "ConfigFrom": {
            "Network": ""
        },
        "ConfigOnly": false,
        "Containers": {
            "c4b6b2f7208356fcdd0a1f0c11460a77bf3cc9f8ebb62edf0a50f47b3a2c3565": {
                "Name": "dummy",
                "EndpointID": "8c47a9cd499d27ac946627552bd4cb629d08fb3ba6f33b0d79247c85b4742668",
                "MacAddress": "02:42:ac:11:00:02",
                "IPv4Address": "172.17.0.2/16",
                "IPv6Address": ""
            }
        },
        "Options": {
            "com.docker.network.bridge.default_bridge": "true",
            "com.docker.network.bridge.enable_icc": "true",
            "com.docker.network.bridge.enable_ip_masquerade": "true",
            "com.docker.network.bridge.host_binding_ipv4": "0.0.0.0",
            "com.docker.network.bridge.name": "docker0",
            "com.docker.network.driver.mtu": "1500"
        },
```